

1
2 UNITED STATES DISTRICT COURT
3 FOR THE NORTHERN DISTRICT OF CALIFORNIA
4 OAKLAND DIVISION
5

6 IN RE FLASH MEMORY ANTITRUST
7 LITIGATION

Case No: C 07-0086 SBA

8 This Document Relates to All Actions.
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**ORDER DENYING DEFENDANTS'
MOTION TO DISMISS DIRECT
PURCHASER COMPLAINT AND
GRANTING IN PART AND DENYING
IN PART DEFENDANTS' MOTION TO
DISMISS INDIRECT PURCHASER
COMPLAINT**

[Docket 370-374, 376, 379, 382, 454]

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13 This consolidated antitrust class action arises from an alleged horizontal price fixing
14 conspiracy between various manufacturers, sellers and distributors of flash memory. Flash
15 memory is a type of electronic memory chip that has become commonplace in a variety of
16 electronic products, such as USB drives, digital cameras, iPhones and similar products. Two
17 separate civil Complaints are pending. The first is the Consolidated Direct Purchaser Class Action
18 Complaint ("Direct Purchaser Complaint"), brought by those who purchased flash memory directly
19 from Defendants. The second is the Indirect-Purchaser Plaintiffs' Consolidated Class Action
20 Complaint ("Indirect Purchaser Complaint"), filed by individuals and entities who purchased both
21 stand-alone flash memory products and products that contain flash memory as a component. Both
22 Complaints allege violations of section 1 of the Sherman Act, 15 U.S.C. § 1. The Indirect
23 Purchaser Complaint also includes antitrust, consumer protection and equitable claims under the
24 laws of various states.

25 The parties now are before the Court on: (1) the Motion by All Defendants to Dismiss
26 Direct Purchasers' Sherman Act Claims (Docket 371); and (2) the Motion to Dismiss Indirect
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Purchaser Plaintiffs' Consolidated Class Action Complaint (Docket 374).¹ Having read and considered the papers submitted, and being fully informed, the Court DENIES Defendants' motion to dismiss the Direct Purchaser Complaint and GRANTS IN PART and DENIES IN PART Defendants' motion to dismiss the Indirect Purchaser Complaint.

I. BACKGROUND

A. OVERVIEW OF THE DEVELOPMENT OF THE FLASH MEMORY MARKET

There are several types of memory used in or with electronic devices; most notably, flash memory, dynamic random access memory ("DRAM") and static random access memory ("SRAM"). Flash memory was initially developed in the 1980s by Defendant Toshiba. (Direct Purchaser ("DP") Compl. ¶ 40.)² Unlike DRAM and SRAM, flash memory is "non-volatile," meaning that no power is needed to maintain the information stored in the chip. (*Id.* ¶ 39.) The first generation of flash memory was known as NOR flash memory. (*Id.*) In 1987, Toshiba developed a second type of flash memory – NAND flash memory – which provided greater functionality at a lower cost. (*Id.* ¶¶ 41-43.) NAND flash memory is sold and marketed as a memory device, i.e., flash memory cards, USB drives, etc., and as a component part in other electronic devices, like Apple iPods or iPhones. (*Id.*)

According to Plaintiffs, the NAND flash memory industry exhibits a number of characteristics that have facilitated the alleged conspiracy to control pricing. (*Id.* ¶ 44.) The NAND flash memory market is highly concentrated and is dominated by a "handful" of suppliers, i.e., Samsung, Toshiba, Renesas, Hynix and Micron. (*Id.* ¶ 45.) Over 90 percent of the worldwide market for flash memory is controlled by three companies, Samsung, Toshiba and Hynix. (*Id.* ¶ 46.) In addition, there are significant barriers to entry, as the cost to develop a modern NAND flash memory production facility can range from \$4 to \$5 billion. (*Id.* ¶ 48.) The flash memory

¹ Although Defendants have filed joint motions to dismiss, the following Defendants have filed their own motions to dismiss: Sandisk (Docket 370); Hitachi (Docket 372); Renesas (373); Hynix (Docket 376); and Toshiba (Docket 382).

² These facts are taken from both the Direct Purchaser Complaint and Indirect Purchaser Complaint filed on February 7, 2008. For purposes of the Background section, the references are to the Direct Purchaser Complaint only.

1 industry also is notable for its numerous cross-licensing and joint venture agreements that have
2 spanned from the mid-1990s at least through the end of 2007. (Id. ¶ 49.) These agreements, along
3 with the Defendants' participation in various trade associations and meetings, ostensibly have
4 facilitated their ability to collude and control flash memory prices. (Id. ¶ 50-59.)

5 **B. COLLUSION IN THE MARKET FOR ELECTRONIC MEMORY**

6 Apparent price fixing in the memory market has caught the attention of the United States
7 Department of Justice ("DOJ") which has launched investigations into the DRAM and SRAM
8 markets. (Id. ¶¶ 60-65.) In the DRAM matter, Hynix and Samsung, who also are Defendants in
9 this case, have pleaded guilty to price fixing, and have paid fines in the amount of \$300 million and
10 \$185 million, respectively. (Id. ¶ 60.) Defendants Hynix, Mitsubishi, Renesas, Samsung and
11 Toshiba also are under investigation by the DOJ and/or are the subject of civil lawsuits relating to
12 SRAM. (Id. ¶ 62.)

13 Plaintiffs allege that the illegal pricing activity with respect to DRAM and SRAM is
14 probative of and intertwined with Defendants' allegedly illegal activities in the market for NAND
15 flash memory. (Id. ¶¶ 65, 78.) Like the DRAM/SRAM schemes, the purpose and goal of the
16 conspiracy was to (a) coordinate pricing among competitors, (b) stabilize prices to ensure that they
17 did not fall too low, and (c) raise prices when opportunities arose. (Id. ¶¶ 72-74.) In terms of its
18 impact, the alleged conspiracy has artificially impacted prices for both NAND flash memory and
19 products using such technology. (Id. ¶¶ 75-77.) As a commodity item, NAND flash memory is
20 "highly price elastic" and subject to steep price declines as technology continues to advance. (Id.)
21 Despite these market forces, manufacturers have been able to maintain their margins through
22 artificially controlling the market. (Id.)

23 In terms of overlap, Plaintiffs aver, *inter alia*, that the same employees of the Defendant
24 companies (including those who pleaded guilty to criminal felonies in the DOJ's DRAM
25 investigation) were responsible for pricing DRAM, SRAM and flash memory sold in the United
26 States. (Id. ¶¶ 67-69.) These persons allegedly communicated with one another on a regular basis,
27 which helped them to coordinate and control pricing across memory product lines. (Id. ¶¶ 79-81.)
28 For instance, in 2001, the price for NAND flash memory, like DRAM pricing, experienced a

1 decline in demand. (Id. ¶ 86.) But through their continuing communications and contacts, in the
 2 next quarter Defendants were able to increase DRAM and NAND flash memory prices. (Id.)
 3 These “intercompetitor contacts” continued during the 2002 to 2006 time period, as evidenced by a
 4 number of emails from Samsung and other Defendants suggesting ways to maintain pricing. (Id.
 5 ¶¶ 89, 91-95.) Defendants allegedly continued their practice of entering into joint venture and
 6 cross-licensing agreements as yet another means to control the market. (Id. ¶¶ 106-108.)

7 In or about September 2007, the DOJ confirmed that it was investigating potential antitrust
 8 violations with respect to the NAND flash memory market. (Id. ¶ 116.) Toshiba, Renesas and
 9 Samsung are among the entities that have received grand jury subpoenas in connection with the
 10 investigation. (Id. ¶ 117.)

11 C. PROCEDURAL SUMMARY

12 Plaintiffs are individuals and entities who purchased NAND flash memory directly or
 13 indirectly from one or more Defendants from 1999 to the present (the “Class Period”). Defendants
 14 are alleged to have manufactured, sold, or distributed flash memory to customers throughout the
 15 United States during the Class Period. (Id. ¶¶ 3-20.) Plaintiffs allege Defendants and unnamed
 16 “coconspirators conspired to fix, raise, maintain and stabilize the price of NAND flash memory
 17 sold in the United States.” (Id. ¶ 1.)³

18 On February 7, 2008, Plaintiff Timothy Chanda filed a Consolidated Direct Purchaser Class
 19 Action Complaint (“Direct Purchaser Complaint”) against the following Defendants: Samsung
 20 Electronics Company Ltd.; Samsung Semiconductor, Inc.; Hitachi, Ltd.; Renesas Technology
 21 Corporation; Renesas Technology America, Inc. (formerly known as Hitachi Semiconductor
 22 (America) Inc.; Hynix Semiconductor, Inc.; Hynix Semiconductor America, Inc.; Mitsubishi
 23 Electric Corporation; Mitsubishi Electric and Electronics USA, Inc.; SanDisk Corporation; Toshiba
 24 Corporation; Toshiba America, Inc.; and Toshiba America Electronic Components, Inc. (Id. ¶¶ 3-
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26 ³ On January 5, 2007, Plaintiff Trong Nguyen, on behalf of himself and others similarly
 27 situated, sued Defendants for violating section 1 of the Sherman Act, 15 U.S.C. § 1. The Court
 28 later related and consolidated 23 cases with the Nguyen action. The Court appointed interim lead
 counsel for the Direct Purchaser Plaintiffs and Indirect Purchaser Plaintiffs on November 15, 2007.
 (Docket 256, 257.)

20.) Plaintiffs allege that they purchased NAND flash memory from one or more of the Defendants. (*Id.* ¶ 2.) The Direct Purchaser Complaint alleges a single claim under section 1 of the Sherman Act. (*Id.* ¶¶ 130-135.)

On the same date, Plaintiffs filed their Indirect Purchaser Complaint against essentially the same Defendants named in the Direct Purchaser Complaint. (Docket 310, Indirect Purchaser (“IP”) Compl. ¶¶ 50-66.)⁴ Indirect Purchasers are 33 individuals and entities who claim they purchased stand-alone NAND flash memory products (i.e., CompactFlash, SmartMedia, MultiMedia Card, Secure Digital Card, Memory Stick and USB flash drives) and products in which NAND flash memory is a substantial component. (*Id.* ¶¶ 48-49.)

The Indirect Purchaser Complaint alleges four claims for relief:

(1) Violation of Section 1 of the Sherman Act, 15 U.S.C. § 1;

(2) Unjust Enrichment and Disgorgement of Profits under the laws of Arizona, Arkansas, California, the District of Columbia, Florida, Hawaii, Iowa, Kansas, Maine, Massachusetts, Michigan, Minnesota, Mississippi, Nebraska, Nevada, New Hampshire, New Mexico, New York, North Carolina, Rhode Island, South Dakota, Tennessee, West Virginia and Wisconsin;

(3) Violation of State Antitrust and Unfair Competition Laws of Alabama, Arizona, California, the District of Columbia, Iowa, Kansas, Maine, Michigan, Minnesota, Mississippi, Nebraska, Nevada, New Mexico, North Carolina, South Dakota, Tennessee, West Virginia and Wisconsin; and

(4) Violation of State Consumer Protection and Unfair Competition Laws of Arkansas, California, the District of Columbia, Florida, Hawaii, Kansas, Maine, Massachusetts, Nebraska, New Hampshire, Nevada, New Mexico, New York, North Carolina, Rhode Island and West Virginia. (*Id.* ¶¶ 176-222.)

II. LEGAL STANDARD

Under Federal Rule of Civil Procedure 12(b)(6), a district court must dismiss a complaint if it fails to state a claim upon which relief can be granted. To survive a motion to dismiss for failure

⁴ The Indirect Purchaser Complaint adds Hitachi America, Ltd. and Hitachi Semiconductor America as defendants. (Indirect Purchaser (“IP”) Compl. ¶¶ 60-61.)

to state a claim, the plaintiff must allege “enough facts to state a claim to relief that is plausible on its face.” Bell Atl. Corp. v. Twombly, 550 U.S. 544, 570 (2007). “Specific facts are not necessary; the statement need only give the defendant[s] fair notice of what ... the claim is and the grounds upon which it rests.” Erickson v. Pardus, 551 U.S. 89, 127 S.Ct. 2197, 2200 (2007) (internal quotation marks omitted); Johnson v. Riverside Healthcare System, LP, 534 F.3d 1116, 1122 (9th Cir. 2008).⁵ “In general, the inquiry is limited to the allegations in the complaint, which are accepted as true and construed in the light most favorable to the plaintiff.” Lazy Y Ranch Ltd. v. Behrens, 546 F.3d 580, 588 (9th Cir. 2008).

If dismissal is warranted, it is generally without prejudice, unless it is clear the complaint cannot be saved by any amendment. See Sparling v. Daou, 411 F.3d 1006, 1013 (9th Cir. 2005); Gompper v. VISX, Inc., 298 F.3d 893, 898 (9th Cir. 2002). In resolving a motion to dismiss, a Court may take judicial notice, upon request, as provided by Federal Rule of Evidence 201, without transforming a motion to dismiss into one for summary judgment. See MGIC Indem. Corp. v. Weisman, 803 F.2d 500, 503 (9th Cir. 1986).

III. DIRECT PURCHASER COMPLAINT

A. SUFFICIENCY OF THE CONSPIRACY ALLEGATIONS

The Sherman Act, section 1, states in part that, “Every contract, combination in the form of trust or otherwise, or conspiracy, in restraint of trade or commerce among the several States, or with foreign nations, is declared to be illegal.” 15 U.S.C. § 1. In Twombly, the Supreme Court held that a section 1 claim “requires a complaint with enough factual matter (taken as true) to suggest that an agreement was made.” 550 U.S. at 556. That is, there must be enough facts presented “to raise a reasonable expectation that discovery will reveal evidence of illegal

⁵ Two weeks after issuing Twombly, the Supreme Court clarified in Erickson that Twombly did not signal a switch to fact-pleading in the federal courts. Erickson reaffirmed that under Rule 8 “[s]pecific facts are not necessary; the statement need only ‘give the defendant fair notice of what the ... claim is and the grounds upon which it rests.’” 127 S.Ct. at 2200 (quoting Twombly, 550 U.S. at 555); see also Airborne Beepers & Video, Inc. v. AT&T Mobility LLC, 499 F.3d 663, 667-668 (7th Cir. 2007) (“[t]aking Erickson and Twombly together, we understand the Court to be saying only that at some point the factual detail in a complaint may be so sketchy that the complaint does not provide the type of notice of the claim to which the defendant is entitled under Rule 8.”).

1 agreement.” Id. “Asking for *plausible grounds* to infer an agreement does not impose a
2 probability requirement at the pleading stage; it simply calls for enough fact to raise a reasonable
3 expectation that discovery will reveal evidence of illegal agreement. And, of course, a well-
4 pleaded complaint may proceed even if it strikes a savvy judge that actual proof of those facts is
5 improbable, and ‘that a recovery is very remote and unlikely.’” Id. (emphasis added, footnote and
6 citations omitted).

7 Defendants assert that allegations in the Direct Purchaser Complaint are too vague and
8 conclusory to comport with the pleading requirements of Twombly. As an initial matter,
9 Defendants complain that the pleadings fail to allege the specific time, place, or person who had
10 any meetings or communications regarding flash memory pricing or output. (Docket 371, Mot. at
11 11.) The Court disagrees. Among other things, the pleadings identify the companies and/or
12 individuals who were directly involved in setting prices for NAND flash memory. (E.g., DP
13 Compl. ¶¶ 68, 69, 81-85, 88-93, 103, 106.) In particular, the Complaint alleges that many of the
14 same employees in various companies (some of whom have pled guilty to price fixing in the DOJ’s
15 DRAM investigation) were responsible for setting prices for different types of memory, including
16 DRAM/SRAM and flash memory. (See id.)

17 In addition, the Complaint alleges the time frame of such alleged conduct, along with facts
18 pertaining to the coordination of production as a means to control pricing. (E.g., id. ¶¶ 86-88, 94,
19 96, 98, 101-105).⁶ For example, there are allegations of specific instances where output was
20 reduced following meetings by Defendants - that, in turn, led to “implausible” price increases.
21 (Id.) Similarly, the marketplace is alleged to have been conducive to coordinated pricing, as
22 demonstrated by the existence of a concentrated market dominated by a few entities, with
23 significant barriers to entry. (See id. ¶¶ 45-59.) Courts addressing analogous pleadings have
24 concluded that these types of conspiracy allegations are sufficient to meet the pleading standards of
25 Twombly. E.g., In re Static Random Access Memory (SRAM) Antitrust Litig., 580 F. Supp. 2d
26 896, 901-02 (N.D. Cal. 2008) (“SRAM”) (“general allegations of a conspiracy, price fixing and the

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28 ⁶ The references to “Complaint” and “Plaintiffs” in this section refer to the Direct Purchaser
Complaint and the Direct Purchaser Plaintiffs, respectively.

1 susceptibility of the SRAM market to such violations” sufficient under Twombly); In re TFT-LCD
 2 (Flat Panel) Antitrust Litig., 586 F. Supp. 2d 1109, 1115 (N.D. Cal. 2008) (“TFT-LCD”) (finding
 3 that allegations that price stability in flat panel market was inconsistent with natural market forces
 4 were sufficient to survive a motion to dismiss). The Court finds that the facts alleged by Plaintiffs
 5 are sufficient to give rise to “a plausible suggestion of conspiracy.” Twombly, 550 U.S. at 566.⁷

6 **B. EXCHANGE OF INFORMATION BETWEEN COMPETITORS**

7 The Supreme Court has recognized the danger of collusion posed by the exchange of
 8 pricing information. Great Atlantic & Pacific Tea Co., Inc. v. F.T.C., 440 U.S. 69, 80 (1979); see
 9 also United States v. U.S. Gypsum Co., 438 U.S. 422, 457 (1978) (“the most likely consequence of
 10 any such agreement to exchange price information would be the stabilization of industry prices”);
 11 United States v. Container Corp., 393 U.S. 333, 337 (1969) (“[t]he inferences are irresistible that
 12 the exchange of price information has had an anticompetitive effect in the industry, chilling the
 13 vigor of price competition.”). Nevertheless, there is nothing inherently improper with competitors
 14 communicating with one another. See In re Baby Food Antitrust Litig., 166 F.3d 112, 126 (3d Cir.
 15 1999) (“communications between competitors do not permit an inference of an agreement to fix
 16 prices unless ‘those communications rise to the level of an agreement, tacit or otherwise.’”).
 17 “Accordingly, information exchanges help to establish an antitrust violation only when either
 18 (1) the exchange indicates the existence of an express or tacit agreement to fix or stabilize prices,
 19 or (2) the exchange is made pursuant to an express or tacit agreement that is itself a violation of § 1
 20 under a rule of reason analysis.” In re Coordinated Pretrial Proceedings in Petroleum Prods.
 21 Antitrust Litig., 906 F.2d 432, 447 n.13 (9th Cir. 1990) (“Petroleum Prods.”).

22
 23 ⁷ In addition to the joint motion to dismiss, Toshiba, Mitsubishi, Hitachi, SanDisk and
 24 Hynix filed their own, separate motions to dismiss. The arguments adduced in those motions
 25 overlap with those presented in the joint submission. Their central point of contention appears to
 26 be the lack of specific allegations directed at their particular company. This argument fails. For
 27 pleading purposes, allegations of antitrust conspiracy need not be detailed on a “defendant by
 28 defendant” basis. See SRAM, 580 F. Supp. 2d at 903-907 (rejecting argument plaintiffs must
 allege each defendant’s specific role in an antitrust conspiracy); accord In re Fine Paper Antitrust
Litig., 685 F.2d 810, 822 (3rd Cir. 1982); In re Market-Makers Antitrust Litig., 894 F. Supp. 703,
 712 (S.D.N.Y. 1995). Defendant Hitachi America Ltd.’s separate argument that Plaintiff’s claims
 are time-barred is unsupported by any evidence which, in any event, would be impermissible on a
 Rule 12(b)(6) motion.

1 Here, Defendants contend that the Plaintiffs' allegations concerning the exchange of
2 information are too "ambiguous" and "sporadic" to suggest the existence of an agreement to fix
3 prices. They claim that the pleadings allege only "three discrete episodes over an eight-year period
4 in which a non-defendant shared an unspecified snippet of 'flash' information...." (Mot. at 12.)
5 That is not accurate. The Complaint specifically alleges that Defendants routinely exchanged
6 highly sensitive competitive information, including pricing and production data, to facilitate and
7 monitor their price fixing conspiracy. For example, the Complaint alleges that in August 1998,
8 Samsung advised Hynix (both of which are alleged to be key market players) "that it would be
9 attempting to raise memory prices 'across the board in September.'" (Id. ¶¶ 46, 80). Samsung also
10 "reportedly told Hynix that it would '*coordinate with Japanese suppliers, asking them to raise, or*
11 *at least not to lower from August prices.*'" (Id. (emphasis added).) Similarly, there are allegations
12 that Micron and Samsung communicated with one another to discuss pricing and inventory on their
13 respective products. (Id. ¶ 82.)

14 More recent communications also support a plausible inference of an ongoing pattern of
15 collusion. In late 2001, Samsung's Vice President of Marketing sent an internal email to the
16 various heads of the company's regional memory sales groups. (Id. ¶ 86.) The email instructed the
17 recipients to contact their *competitors* to urge them that they "*must not retreat from the last quoted*
18 *price.*" (Id. (emphasis added).) Separately, in 2001, officials from Hynix and Samsung met in
19 Korea to ensure that they were "in the same boat with pricing." (Id. ¶ 88.) These types of contacts
20 continued in the years that followed. For instance, in early 2007, as prices for NAND memory
21 continued to decline, Defendants were making efforts "to reduce NAND supply relative to
22 expected demand growth." (Id. ¶ 101.) Thus, in March 2007, Samsung announced to industry
23 analysts that it had stabilized "price erosion" as a result of "[s]upply constraints due to cautious
24 supply[.]" (Id. ¶ 102.) Notably, Samsung emphasized its expectation that there would continue to
25 be a "severe shortage" with inventories that, in turn, would bolster its margins. (Id.) In the
26 absence of insider knowledge gleaned from communications with its competitors, Samsung
27 allegedly "would have no way of making such a confident prediction." (Id.)

28 Taken as a whole, these and similar allegations in the pleadings are sufficient to suggest

that Defendants routinely exchanged highly sensitive competitive information, including pricing and production data, to facilitate and monitor their alleged price fixing conspiracy. See SRAM, 580 F. Supp. at 902 (allegations regarding internal emails that discussed competitor's pricing were germane in terms of meeting the Twombly standard); see also In re High Fructose Corn Syrup Antitrust Litig., 295 F.3d 651, 662 (7th Cir. 2002) ("High Fructose") (documents discussing coordination of pricing with competitors probative of price fixing); Flying J Inc. v. TA Operating Corp., 2007 WL 3254765, *1 (D. Utah 2007) (price fixing agreement could be inferred from email between competitors even if such an agreement was not discussed expressly).

C. MARKET CONCENTRATION

"[T]he Sherman Act reflects an important federal policy in preventing excessive concentration in relevant markets." Gilmer v. Interstate/Johnson Lane Corp., 895 F.2d 195, 202 (4th Cir. 1990); Les Shockley Racing, Inc. v. National Hot Rod Ass'n, 884 F.2d 504, 510 (9th Cir. 1989). "Significant market concentration makes it easier for firms in the market to collude, expressly or tacitly, and thereby force price above or farther above the competitive level." FTC v. H.J. Heinz Co., 246 F.3d 708, 724 (D.C. Cir. 2001) (internal quotation marks omitted); Brooke Group Ltd. v. Brown & Williamson Tobacco Corp., 509 U.S. 209, 227 (1993) ("Tacit collusion ... describes the process, not in itself unlawful, by which firms in a concentrated market might in effect share monopoly power, setting their prices at a profit-maximizing, supracompetitive level by recognizing their shared economic interests and their interdependence with respect to price and output decisions."). On the other hand, market concentration and market shares are insufficient, standing alone, to establish a Sherman Act violation. See In re Late Fee and Over-Limit Fee Litig., 528 F. Supp. 2d 953, 964 (N.D. Cal. 2007) ("Late Fee").

Defendants argue that "plaintiffs' market concentration allegations demonstrate that any alleged 'parallel' conduct is at least as consistent with independent decision-making and vigorous competition as with conspiracy." (Id.) Irrespective of whether that is correct, Defendants ignore that Plaintiffs rely on more than mere allegations of high market concentration to show that the flash memory market is prone to collusion. Rather, in addition to market concentration, they allege the existence of multiple and on-going business relationships, cross-licensing and joint venture

1 agreements, high barriers to entry, and homogeneity in products. (E.g., DP Compl. ¶ 43, 44, 48,
 2 49, 93, 106-107.) When these allegations are considered in tandem, allegations of high market
 3 concentration can appropriately be relied upon as a factor to suggest price collusion. SRAM, 580
 4 F. Supp. 2d at 903 (denying motion to dismiss where market concentration allegations
 5 accompanied by allegations concerning an ongoing agreement to exchange price information for
 6 the purpose of stabilizing or increasing prices). While Defendants’ assertion that high market
 7 concentration was attributable to “independent decision-making and vigorous competition”
 8 ultimately may prove to be valid, the Court cannot resolve this issue on the merits at this juncture.

9 Defendants’ secondary contention is that “rapidly shifting market shares” of the various
 10 Defendants exemplifies “vigorous competition.” (Mot. at 14.)⁸ In support, Defendants cite
 11 Williamson Oil Co., Inc. v. Philip Morris USA, 346 F.3d 1287, 1318 (11th Cir. 2003), where the
 12 court noted that shifts in market share between competitors undermined a showing of collusion. In
 13 reaching that conclusion, the court focused on the fact that “[t]hese sharp market share shifts were
 14 at least as great as those that occurred between 1980 and 1991, *an unquestionably competitive*
 15 *period.*” Id. (emphasis added). This case is distinguishable, however. Unlike Williamson, there is
 16 nothing in the pleadings that would enable the Court to make such comparisons. Perhaps more
 17 fundamentally, Defendants’ argument relies on inferences being drawn in *their* favor which, of
 18 course, is the antithesis of the standard of review applicable to a motion to dismiss. Indeed,
 19 Williamson involved the review of a motion for summary judgment, not a motion to dismiss.

20 **D. SUPPLY SHORTAGES**

21 Defendants next contend that the Complaint fails to allege any facts supporting an inference
 22 of an express agreement to limit the supply of NAND flash memory, and that the market forces of
 23 supply and demand – not collusion – explain the alleged supply shortages. (Mot. at 14-16.) In
 24 support of its argument, Defendants rely on In re Citric Acid Litig., 191 F.3d 1090, 1100-101 (9th
 25 Cir. 1999) (“Citric Acid”), where the court held that the defendant’s failure to increase production
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27 ⁸ The Court notes that the Complaint does not allege that market shares among the
 28 Defendants were “rapidly shifting.” That simply is Defendants’ characterization of some of the
 data alleged in the pleadings.

1 more rapidly did not establish a price fixing conspiracy because “[t]he timing of this decision ...
2 does not fit with [plaintiff]’s theory of the conspiracy.” Unlike Citric Acid, the Complaint in this
3 case alleges that the supply shortage was orchestrated by Samsung which, in turn, had the effect of
4 controlling prices in the time period that followed. (See DP Compl. ¶¶ 94-98.) Defendants also
5 overlook that Citric Acid involved a motion for summary judgment, not a motion to dismiss, where
6 Plaintiffs’ allegations must be taken as true. Thus, while the evidence adduced in the action
7 ultimately may support such a defense, the Court finds, as above, that such a determination is
8 premature at this juncture.

9 **E. PRICE STABILITY**

10 “[R]ising prices do not themselves permit an inference of a collusive market dynamic.
11 Even in a concentrated market, the occurrence of a price increase does not in itself permit a rational
12 inference of conscious parallelism or supracompetitive pricing.” See Brooke, 509 U.S. at 237.
13 Brooke recognized that prices may rise due to market forces, and that it is entirely possible that
14 increases in price and output could occur simultaneously where there is “growing product
15 demand.” Id. The Supreme Court noted that “[u]nder these conditions, a jury may not infer
16 competitive injury from price *and* output data absent some evidence that tends to prove that output
17 was restricted or prices were above a competitive level.” Id.

18 Defendants argue that “prices were not rising, but falling ‘rapidly’ as suppliers reduced
19 their costs and competition led those cost savings to be passed through to consumers, even as
20 demand for NAND flash memory experienced ‘huge increases.’” (Mot. at 17 (citing DP Compl.
21 ¶¶ 75-76.) That is not an accurate characterization of the DP Complaint. Plaintiffs allege that,
22 historically, memory manufacturers have been able to maintain their profit margins even as the
23 price of memory (on a per gigabit basis) declines. (DP Compl. ¶ 76.) They allege that such
24 “unnatural price stability” was the result of Defendants’ “collusively agreeing to reduce or limit
25 capacity for the purpose of stabilizing or increasing prices.” (Id.) Thus, even in times where there
26 was an oversupply of NAND flash memory, Defendants’ conspiratorial conduct “caused those
27 prices to *decrease at a lesser rate* than would have been the case under competitive conditions.
28 (Id. ¶ 77.) Given these allegations, Brooke is inapposite.

1 Separately, Defendants maintain that any fluctuations and or stability in the price for
2 NAND flash memory is attributable to competitive market forces, as opposed to a collusive
3 agreement among the Defendants to control the market. (Mot. at 17.) The authorities cited by
4 Defendants, however, are inapposite. In In re Elevator Antitrust Litig., 502 F.3d 47 (2d Cir. 2007),
5 the district court dismissed an antitrust complaint which relied entirely on parallel conduct,
6 conclusory averments of conspiracy and references to a European investigation into price fixing.
7 In affirming the dismissal, the Second Circuit focused on (1) the failure to specify “any particular
8 activities by any particular defendant,” (2) non-specific allegations of parallel conduct, and (3) the
9 lack of any facts establishing any possible nexus between the European conspiracy and any
10 conduct in the United States. Id. at 50. In contrast, the pleadings herein provide much more detail
11 regarding the intracompetitor communications directed at coordinating flash memory pricing and
12 facts regarding the flash memory market structure showing its conduciveness towards collusive
13 pricing schemes. Likewise, facts are alleged regarding the overlap between the companion
14 antitrust investigations in the DRAM/SRAM markets *and* the NAND flash memory market.

15 Defendants’ reliance on Late Fee fares no better. In that case, credit cardholders who paid
16 excessive late fees and/or over-limit fees brought a class action against credit card issuers under
17 section 1 of the Sherman Act. The centerpiece of plaintiffs’ claims was set forth in a single
18 paragraph of the complaint which was comprised of a chart showing that several of the defendants
19 charged the same or similar late fees. Late Fee, 528 F. Supp. 2d at 962. This Court concluded that
20 the complaint was devoid of facts suggesting a preceding agreement, and the scant allegations
21 showed nothing more than parallel conduct. Id. In contrast, the Complaint is far more detailed.
22 Here, Plaintiffs allege facts that the flash memory market is a highly concentrated with high
23 barriers to entry – conditions that are conducive to a price fixing conspiracy. (DP Compl. ¶¶ 44-
24 48.) In addition, it is alleged that Defendants exchanged highly sensitive competitive information
25 (id. ¶¶ 78-114), and openly communicated with one another to “coordinate” pricing (e.g., id. ¶¶ 80,
26 87, 88, 104.) Lastly, unlike the allegations made in Late Fee, the Complaint in this case contains
27 extensive, detailed allegations as to when, where and who engaged in at least some of the meetings
28 that gave rise to the alleged conspiracy. (See id. ¶¶ 66-114.) These allegations easily satisfy the

1 notice pleading requirements of the Federal Rules and readily distinguish this case from the
2 conclusory allegations described in Late Fee.

3 **F. JOINT VENTURES AND CROSS-LICENSING AGREEMENTS**

4 Plaintiffs allege that various Defendants entered into a “web” of cross-licensing and joint
5 venture agreements as a means to facilitate collusive behavior. (DP Compl. ¶ 49.) In their motion
6 to dismiss, Defendants contend that their joint ventures and cross-licenses are “unambiguously
7 procompetitive,” especially given the high entry barriers to the flash memory market. (Mot. at 18-
8 19.) They further argue that the Plaintiffs fail to temporally link any joint ventures or cross-
9 licenses to any price changes and that, at most, they show nothing more than an “opportunity” to
10 conspire, and do not by themselves support an inference of collusion. (Id.) As a general
11 proposition, it is true that agreements between competitors may be entirely benign. See Texaco
12 Inc. v. Dagher, 547 U.S. 1, 7 (2006). That, however, does not necessarily support Defendants’
13 conclusion that the joint venture and cross-licensing agreements, as alleged in the pleadings, are
14 irrelevant for purposes of the instant motions to dismiss.

15 The Ninth Circuit has aptly observed that “direct evidence will rarely be available” to prove
16 the existence of a price fixing conspiracy. See Petroleum Prods., 906 F.2d at 439. It is for that
17 reason that “circumstantial evidence is the lifeblood of antitrust law.” U.S. v. Falstaff Brewing
18 Corp., 410 U.S. 526, 534 n.13 (1973). In this case, the allegations regarding Defendants’
19 participation and use of joint venture and cross-licensing agreements go beyond merely alleging
20 that Defendants’ joint ventures, licensing agreements and other business affiliations simply
21 fostered an “opportunity” to collude. To the contrary, Plaintiffs alleged that such agreements were
22 used as the means to maintain and achieve the end result of the conspiracy by controlling the
23 supply, and thereby permitting increases in the price for the products. (DP Compl. ¶¶ 49-59, 93-
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94, 106-07.)⁹ While these allegations may not expressly state that the agreements themselves were illegal, they nonetheless may be considered with the pleadings as a whole in determining the existence of a “plausible” conspiracy. See High Fructose, 295 F.3d at 662 (noting that “ambiguous” evidence should be considered in antitrust claims because “most cases are constructed out of a tissue of such statements and other circumstantial evidence”).

G. TRADE SHOWS AND TRADE ASSOCIATION MEETINGS

The Complaint alleges that “Defendants belong to a web of different trade associations and participate in various industry trade shows, all of which provide forums at which they can collude to fix prices and limit capacity for NAND flash memory.” (DP Compl. ¶ 50.) One such association is the Compact Flash Association (“CFA”), in which Defendants Samsung, Toshiba, Hitachi, Mitsubishi and SanDisk all are members. (*Id.* ¶ 51.) The CFA allegedly holds regular meetings and participates in trade shows throughout the world. (*Id.* ¶ 52.) Plaintiffs assert that these meetings and trade shows provide a vehicle for the “cartel’s members” to communicate regularly to “facilitate the development of a conspiracy.” (*Id.* ¶ 59.) In response, Defendants claim that their membership in a trade association is presumptively legitimate and that their attendance at such industry meetings and events generally does not establish illegal collusion.

Generally, there is nothing particularly nefarious in attending industry functions. See In re Graphics Processing Units Antitrust Litig., 527 F. Supp. 2d 1011, 1023 (N.D. Cal. 2007) (“GPU I”). Nor is there anything necessarily improper with their participation or membership in industry trade associations. See Citric Acid, 191 F.3d at 1098. Indeed, trade associations serve a beneficial and legitimate function. See McDaniel v. Appraisal Institute, 117 F.3d 421, 424 (9th Cir. 1997).

⁹ For example, the Complaint alleges that as early as 2002, industry participants called for cooperation among competitors to “prevent a price war,” and that Defendants heeded these suggestions. (DP Compl. ¶¶ 91-92.) It further is alleged that consistent with this strategy, Renesas was created in 2003 as a joint venture by Defendants Hitachi, Ltd. and Mitsubishi. (*Id.* ¶ 64.) It thus is plausible to conclude that the formation of Renesas was itself a conspiratorial act to control prices and supply. See Petruzzi’s IGA Supermarkets, Inc. v. Darling-Delaware Co., Inc., 998 F.2d 1224 (3rd Cir. 1993) (noting that a range of circumstantial evidence can show collusion; “[f]or example, have they attended meetings or *conducted discussions at which they had the opportunity to conspire*; have they acted against their own economic best interests; have they engaged in parallel behavior that is economically irrational unless an agreement exists; *has at least one participant expressly invited common action by the other*”) (emphasis added).

1 That notwithstanding, courts have recognized that trade association affiliations and attendance at
2 industry events may be alleged to show that putative conspirators had the opportunity and means to
3 develop and/or further their alleged collusive scheme. See Todd v. Exxon Corp., 275 F.3d 191,
4 213 (2d Cir. 2001) (“the frequency of the meetings is itself problematic for the same reason that the
5 exchange of current price data is suspect: It tends to facilitate the policing of price conspiracies.”).
6 And while “these allegations cannot alone support Plaintiffs’ claims, [] such participation
7 demonstrates *how and when* Defendants had opportunities to exchange information or make
8 agreements.” SRAM, 580 F. Supp. at 903 (emphasis added).

9 The Court also disagrees with Defendants that dismissal is warranted on the ground that
10 Plaintiffs fail to identify “who attended these meetings, what was discussed at them, or how they
11 purportedly related to the conspiracy other than providing an opportunity for the parties to talk to
12 one another....” (Mot. at 20.) Not only do Defendants fail to assert any authority in support of
13 their contention that this level of specificity - akin to Rule 9(b) - is required, their argument is
14 inconsistent with the Supreme Court’s holding that “[s]pecific facts are not necessary” at the
15 pleading stage. See Erickson, 127 S.Ct. at 2200. Twombly merely requires enough facts in the
16 complaint as a whole to “nudge [plaintiffs’] claims across the line from conceivable to plausible.”
17 550 U.S. at 570. Thus, while Plaintiffs’ allegations regarding trade organizations and trade
18 meetings, *standing alone*, may not state a claim under the Sherman Act, they may properly be
19 considered along with the other allegations in the Complaint as discussed above for purposes of the
20 assessing the sufficiency of the Complaint. See SRAM, 580 F. Supp. at 903.

21 **H. RELATIONSHIP BETWEEN DRAM/SRAM AND FLASH MEMORY CONSPIRACIES**

22 Plaintiffs posit that the Defendants’ alleged conspiracy to manipulate pricing for NAND
23 flash memory was modeled after their pricing schemes in the markets for DRAM and SRAM
24 memory, which are the subject of DOJ investigations. (DP Compl. ¶ 71.) According to
25 Defendants, the DRAM/SRAM investigations are irrelevant for purposes of establishing a
26 conspiracy regarding NAND flash memory on the ground that Plaintiffs have failed to establish a
27 nexus between the DRAM/SRAM pricing schemes and the alleged conspiracy to control the price
28 of NAND flash memory. (Mot. at 21.)

1 In United States v. Andreas, 216 F.3d 645 (7th Cir. 2000), the court recognized that
2 evidence concerning a prior conspiracy may be relevant and admissible to show the background
3 and development of a current conspiracy. In Andreas, the court addressed a claim that there was a
4 conspiracy to fix prices and control the output of Lysine, an amino acid. On appeal, the court
5 rejected defendants challenge to the admissibility of evidence concerning a similar scheme
6 involving the related market for citric acid. The court found that there was evidence that the citric
7 acid scheme “provided the blueprint for and motivating force behind the nascent lysine scheme,”
8 and thus, was admissible to provide context as to how the lysine conspiracy operated. Id. at 665;
9 see also High Fructose, 295 F.3d at 661 (same). Likewise, in SRAM, the district court
10 acknowledged that “[a]lthough the DRAM guilty pleas are not sufficient to support Plaintiffs’
11 claims standing on their own, *they do support an inference of a conspiracy in the SRAM industry.*”
12 580 F. Supp. 2d at 903 (emphasis added).

13 Defendants ignore the above authority, and instead, focus on the fact that the employees
14 who pleaded guilty to price fixing in the DRAM investigation worked for only *two* of the
15 Defendant companies. (Mot. at 21-22, Reply at 12-13.) While that may be so, the Court notes that
16 the two companies involved, Samsung and Hynix, collectively controlled the *majority* of the flash
17 memory market *and* together paid fines approaching half a billion dollars. (DP. Compl. ¶¶ 68, 69,
18 46.) In addition, at least seven of the employees involved are alleged to have had responsibility for
19 NAND flash memory pricing, sales, marketing and operations in the United States. (Id. ¶ 67-69.)¹⁰
20 Given these employees’ overlapping involvement in controlling DRAM and flash memory pricing,
21 coupled with the significant market power wielded by their employers, it is reasonable to infer that
22 their involvement in the DRAM conspiracy had at least some connection to the alleged conspiracy
23 in this case.

24 Defendants also attempt to distinguish the two conspiracies by claiming, inaccurately, that
25 the DRAM case involved raising prices, while this case involves restricting supplies. (Mot. at 22.)
26 In fact, the Complaint expressly alleges that “Defendants and their co-conspirators conspired to *fix*,

27 _____
28 ¹⁰ It also is noteworthy that nearly all of the Defendants in this case sell DRAM and NAND
flash memory. (DP Compl. ¶ 66-69.)

1 *raise, maintain and stabilize the price of NAND flash memory sold in the United States....*” (DP
 2 Compl. ¶¶ 1, 33 (emphasis added).) Similarly, Plaintiffs allege that Defendants specifically
 3 discussed controlling prices with regard to all memory products. (*Id.* ¶¶ 79-80, 82, 84-85, 87-88,
 4 102.) But even if the flash memory scheme focused more on affecting output, the fact remains that
 5 the purpose of both conspiracies was to artificially control and impact the memory market in order
 6 to generate or preserve profits. At bottom, while these facts may not *prove* the existence of a
 7 conspiracy with respect to NAND flash memory, they are properly pleaded for the purpose of
 8 establishing the plausibility that such a conspiracy existed.¹¹

9 I. SUMMARY

10 The Court concludes that the Complaint alleges “enough facts to state a claim to relief that
 11 is plausible on its face.” *Twombly*, 550 U.S. at 576. Defendants’ motion to dismiss the Direct
 12 Purchaser Complaint is therefore DENIED.

13 IV. INDIRECT PURCHASER COMPLAINT

14 A. OVERVIEW

15 Separate and apart from the Direct Purchaser Complaint, 33 individuals and entities have
 16 filed an Indirect Purchaser Complaint, which also is the subject of a joint motion to dismiss.
 17 Unlike the Direct Purchasers, the Indirect Purchasers’ claims are “limited in scope to NAND Flash
 18 Memory purchased indirectly where NAND Flash Memory is entirely a stand-alone product or a
 19 substantial component of another product....” (IP Compl. ¶ 12.) Examples of such products
 20 include flash memory cards, USB flash drives, flash-based digital music players (i.e., iPods, etc.)
 21 and higher end mobile telephones and computing devices. (*Id.*)

24 ¹¹ In their Complaint, Plaintiffs allege that the Department of Justice (“DOJ”) has begun
 25 investigating Defendants for price-fixing *flash* memory. (DP Compl. ¶¶ 115-118.) Plaintiffs
 26 suggest that this development may be used to create an inference of anti-competitive activity.
 27 However, as noted by Defendants, the mere fact that an investigation is under way is not by itself
 28 an appropriate consideration for purposes of determining the adequacy of the pleadings. *See*
SRAM, 580 F. Supp. 2d at 903 (“The Court agrees that the existence of the investigation
 [regarding SRAM] does not support Plaintiffs’ antitrust conspiracy claims”); *GPU*, 527 F. Supp. 2d
 at 1024 (finding that it would be sheer speculation to infer anti-competitive behavior from a mere
 investigation, as opposed to a proceeding which results in charges or civil or criminal penalties).

Defendants' motion to dismiss presents five central arguments: (1) Plaintiffs fail to satisfy pleading requirements of Twombly; (2) Plaintiffs lack standing to assert state law antitrust claims; (3) Plaintiffs' consumer protection claims fail as a matter of law; (4) Plaintiffs cannot plead a claim for unjust enrichment alongside claims that seek a remedy at law; and (5) Plaintiffs lack standing to assert claims under the laws of states where none of them resides. Defendants' arguments regarding Twombly fail for the reasons discussed *supra* in the section of this Order analyzing the motion to dismiss the Direct Purchaser Complaint. As to the remaining four grounds for dismissal, the Court discusses them *seriatim*.¹²

B. STANDING TO PURSUE STATE ANTITRUST CLAIMS

1. Applicability of the AGC Standard

In Illinois Brick Company v. Illinois, 431 U.S. 720, 730 (1977), the Supreme Court held that indirect purchasers generally may not sue for money damages under Section 4 of the Clayton Act. In response to Illinois Brick, a number of states passed "repealer" statutes which expressly allow indirect purchasers to recover money damages for antitrust violations under state law. See California v. ARC Am. Corp., 490 U.S. 93, 97-98 (1989). In the present case, Plaintiffs' third claim for relief for state antitrust violations is predicated on the repealer statutes of Alabama, Arizona, California, the District of Columbia, Iowa, Kansas, Maine, Michigan, Minnesota, Mississippi, Nebraska, Nevada, New Mexico, North Carolina, South Dakota, Tennessee, West Virginia and Wisconsin. (IP Compl. ¶¶ 187-205.)

In their motion to dismiss, Defendants contend that Plaintiffs lack standing to bring state antitrust claims on the ground that they cannot meet the requirements set forth in Associated General Contractors of California, Inc. v. California State Council of Carpenters, 459 U.S. 519 (1983) ("AGC").¹³ "[T]he Supreme Court in [AGC] identified certain factors for determining

¹² All references to "Plaintiffs" and "Complaint" in this section are to the Indirect Purchaser Plaintiffs and the Indirect-Purchaser Plaintiffs' Consolidated Class Action Complaint, respectively.

¹³ It bears noting that the Indirect Purchasers Plaintiffs are comprised of those who purchased (1) flash memory as a "stand-alone product" and (2) products where flash memory is a "substantial component" of a finished product. (IP Compl. ¶ 12.) Defendants' motion to dismiss is limited specifically to the latter category, i.e., "Flash Memory-based products." (Mot. at 12.)

1 whether a plaintiff who has borne an injury has antitrust standing. These factors include: (1) the
2 nature of the plaintiff's alleged injury; that is, whether it was the type the antitrust laws were
3 intended to forestall; (2) the directness of the injury; (3) the speculative measure of the harm;
4 (4) the risk of duplicative recovery; and (5) the complexity in apportioning damages." American
5 Ad Mgmt., Inc. v. General Tel. Co. of Cal., 190 F.3d 1051, 1054 (9th Cir. 1999) (citing AGC, 459
6 U.S. at 535). "To conclude that there is antitrust standing, a court need not find in favor of the
7 plaintiff on each factor." Id. Instead, courts are to balance the factors, "giving great weight to the
8 nature of the plaintiff's alleged injury." Id.

9 The threshold question presented with regard to the issue of standing is whether AGC, the
10 standard for determining standing under federal antitrust claims also applies to antitrust claims
11 predicated on state law. Resolution of that question is predicated on state law. In analyzing
12 questions of state law, federal courts are bound by the decisions of the state's highest court. See
13 United Broth. of Carpenters and Joiners of America Local 586 v. N.L.R., 540 F.3d 957, 963 (9th
14 Cir. 2008) ("Carpenters"). It is settled that "[w]here the state's highest court has not decided an
15 issue, the task of the federal courts is to predict how the state high court would resolve it."
16 Dimidowich v. Bell & Howell, 803 F.2d 1473, 1482 (9th Cir. 1986) (as amended). If "there is
17 relevant precedent from the state's intermediate appellate court, the federal court must follow the
18 state intermediate appellate court decision unless the federal court finds convincing evidence that
19 the state's supreme court likely would not follow it." Ryman v. Sears, Roebuck and Co., 505 F.3d
20 993, 994 (9th Cir. 2007) (emphasis omitted). Relevant decisions of courts in other jurisdictions
21 also should be considered. See Giles v. General Motors Acceptance Corp., 494 F.3d 865, 872 (9th
22 Cir. 2007).

23 Defendants summarily argue that AGC governs the standing inquiry to Plaintiff's state
24 antitrust claims under Arizona, California, Iowa, Kansas, Maine, Michigan, Nebraska, North
25 Carolina, South Dakota, Mississippi, Nevada, New Mexico, West Virginia, Wisconsin law. (Mot.
26 at 17.) The Court concurs with Defendants only with respect to Iowa, Nebraska and California.
27 The highest courts in both Iowa and Nebraska have held that the AGC factors apply to their
28 antitrust laws. Southard v. Visa USA, Inc., 734 N.W.2d 192, 198-99 (Iowa 2007); Kanne v. Visa

1 U.S.A., Inc., 723 N.W.2d 293, 302-03 (2006). As such, the Court is compelled to find that AGC
2 applies to Indirect Plaintiffs' antitrust claims based on Iowa and Nebraska law. See Carpenters,
3 540 F.3d at 963. As to California, its Supreme Court has not reached this issue, but at least one of
4 its intermediate appellate courts has applied these factors to its antitrust law, the Cartwright Act,
5 Cal. Bus. & Prof. Code § 16720 *et seq.* See Vinci v. Waste Mgmt., Inc., 36 Cal.App.4th 1811,
6 (1995); Knevelbaard Dairies v. Kraft Foods, Inc., 232 F.3d 979, 987 (9th Cir. 2000). Accordingly,
7 the Court finds that AGC applies to Plaintiffs' California law antitrust claims as well. See Ryman,
8 505 F.3d at 994 (holding that intermediate appellate court decisions generally are binding).

9 The Court disagrees that AGC applies to any of remaining states in dispute. With respect to
10 Arizona, Nebraska, Nevada, New Mexico, South Dakota and West Virginia, there are no state
11 court appellate decisions or compelling decisions from other jurisdictions to provide this Court
12 with guidance on how to "predict" how the highest court of each state would rule on this issue. See
13 Dimidowich, 803 F.2d at 1482. However, Defendants note that each of these states has
14 harmonization provisions calling for their respective statutes to be construed in accordance with
15 federal law. See Ariz.Rev.Stat. Ann. § 44-1412 ("in construing this article, the courts may use as a
16 guide interpretations given by the federal courts to comparable federal antitrust statutes");
17 Neb.Rev.Stat. § 59-829 ("the courts of this state in construing [Nebraska's antitrust statute] shall
18 follow the construction given to the federal law by the federal courts"); Nev.Rev.Stat. § 598A.050
19 ("The provisions of this chapter [under Nevada law] shall be construed in harmony with prevailing
20 judicial interpretations of the federal antitrust statutes"); N.M. Stat. Ann. § 57-1-15 ("the [New
21 Mexico] Antitrust Act shall be construed in harmony with judicial interpretations of the federal
22 antitrust laws"); S.D. Codified Laws § 37-1-22 ("It is the intent of the [South Dakota] Legislature
23 that in construing this chapter, the courts may use as a guide interpretations given by the federal or
24 state courts to comparable antitrust statutes."); W.Va. Code § 47-18-16 ("This [West Virginia]
25 article shall be construed liberally and in harmony with ruling judicial interpretations of
26 comparable federal statutes").

27 As to Kansas, Maine, Michigan, Mississippi, North Carolina, South Dakota and Wisconsin,
28 the Court has not been directed to any pertinent court decisions or any harmonization provisions, as

1 in the case of the other states at issue. However, Defendants focus the Court's attention on cases
2 purporting to demonstrate that states interpreting their antitrust laws look to federal antitrust
3 precedents for guidance. See Orr v. Beamon, 77 F. Supp. 2d 1208, 1212 (D. Kan. 1999) ("standing
4 under the Kansas antitrust statutes requires an antitrust injury similar to that required under the
5 Sherman and Clayton Acts"); Davric Maine Corp. v. Rancourt, 216 F.3d 143, 149 (1st Cir. 2000)
6 ("We have noted that the 'Maine antitrust statutes parallel the Sherman Act,' and thus have
7 analyzed claims thereunder according to the doctrines developed in relation to federal law."); First
8 Med Representatives, LLC v. Futura Med. Corp., 195 F. Supp. 2d 917, 922 (E.D. Mich. 2002)
9 ("Michigan courts apply Sherman Act analysis to the [Michigan Antitrust Reform Act]"); Pope v.
10 Mississippi Real Estate Com'm, 872 F.2d 127, 129 (5th Cir. 1989) (combining analysis of
11 Mississippi and federal antitrust claims); Rose v. Vulcan Materials Co., 194 S.E.2d 521, 530 (1973)
12 ("the body of law applying the Sherman Act, although not binding upon this Court in applying
13 [North Carolina's antitrust law], is nonetheless instructive in determining the full reach of that
14 statute."); State v. Waste Mgmt. of Wis., Inc., 261 N.W.2d 147, 155 (1978) ("Except for the fact
15 that the state act applies to intrastate commerce while the federal act applies to interstate
16 commerce, what amounts to a conspiracy in restraint of trade under the Sherman Act amounts to a
17 conspiracy in restraint of trade under the Wisconsin antitrust act.").

18 With little reasoning or analysis, Defendants urge the Court to follow DRAM I, where the
19 court found the existence of harmonization provisions and/or judicial reference to federal antitrust
20 precedents to interpret state antitrust statutes as a sufficient basis on which to trigger application of
21 AGC. (Mot. at 8.) This Court, however, is reticent to adopt an across-the-board rule that a state's
22 harmonization provision, whether created by statute or common law, is an appropriate means of
23 predicting how a state's highest court would rule regarding the applicability of AGC to state law
24 antitrust claims. Neither party has provided the Court with the requisite, individualized analysis on
25 a per state basis to enable the Court to render such a determination. As a consequence, "this order
26 declines to undertake the back-breaking labor involved in deciphering the state of antitrust standing
27 in each of those states on this motion - particularly since, as shown below, indirect purchasers have
28 shown standing under AGC for consumers who bought finished [flash memory products]." See

GPU I, 540 F. Supp. 2d at 1097. Thus, the Court concludes that AGC's standing analysis applies only to Plaintiffs' state antitrust claims based on California, Iowa and Nebraska law.

2. Application of the AGC Factors to Plaintiffs' Antitrust Claims Under California, Iowa and Nebraska Law

a) Nature of the Injury

The first factor under AGC is whether the injury alleged by Plaintiffs is the type the antitrust laws are intended to prevent. See American Ad Mgt., 190 F.3d at 1055. "A plaintiff may only pursue an antitrust action if it can show antitrust injury, which is to say 'injury of the type the antitrust laws were intended to prevent and that flows from that which makes defendants' acts unlawful.'" DRAM I, 516 F. Supp. 2d at 1089 (quoting American Ad Mgmt., 190 F.3d at 1055). "The requirement that the alleged injury be related to anti-competitive behavior requires, *as a corollary*, that the injured party be a participant in the same market as the alleged malefactors." Bhan v. NME Hosps., Inc., 772 F.2d 1467, 1470 (9th Cir. 1985) (emphasis added); see also Tanaka v. University of Southern Calif., 252 F.3d 1059, 1063 (9th Cir. 2001) (the anticompetitive effects must be felt in the "relevant market"). To determine whether an injured plaintiff is indeed a market participant, "the focus is upon the reasonable interchangeability of use or the cross-elasticity of demand" between the product or services involved. Bhan, 772 F.2d at 1470-71.

In this case, Plaintiffs contend that they were injured by "paying higher prices for products containing NAND Flash Memory than they would have in the absence of Defendants' conspiracy." (IP Compl. ¶ 148; Opp'n at 23.) Defendants do not dispute that this is the type of injury that antitrust laws were intended to protect against. See American Ad Mgt., 190 F.3d at 1055. Rather, Defendants' central contention is that Plaintiffs cannot show that they are "participants" in the restrained market. (Mot. at 9-10.) More specifically, Defendants assert that the alleged anticompetitive conduct occurred only in the market for *direct* purchasers of NAND flash memory, which is different than for *indirect* purchasers where the relevant market ostensibly is defined by where the particular product containing flash memory is sold. (Mot. at 9-10.)

The argument posited by Defendants was rejected in GPU I, F. Supp. 2d at 1098. In that case, direct and indirect purchasers brought federal and state antitrust claims against producers of

1 graphics processing units (“GPUs”). GPUs are devices used in computers, servers, work stations,
2 gaming consoles and mobile communication devices. Direct purchasers alleged that they
3 purchased GPUs directly from manufacturers, while indirect purchasers alleged they purchased
4 finished products that contained GPUs. Defendants moved to dismiss the indirect purchasers’
5 claims on the ground that they were not participants in the relevant market because they
6 “participated” in the market for the finished product containing GPUs, as opposed to the market for
7 GPUs themselves. Id. The court rejected that distinction, however, noting that GPUs “are separate
8 components of a computer and that any costs attributable to them are traceable through the chain of
9 distribution.” Id.

10 The court in TFT-LCD applied similar reasoning in a class action involving thin film
11 transfer liquid crystal display (“LCD”) panels and products. 586 F. Supp. 2d at 1123. As in GPU
12 I, the defendant manufactures argued that the indirect plaintiffs could not be considered
13 participants in the relevant market for LCDs, since they purchased finished products containing
14 LCD panels. The court found the alleged distinction to be unconvincing in view of the plaintiffs’
15 allegations that the market for LCD panels and the market for the products into which the panels
16 are placed are “inextricably linked and intertwined,” and as a result, the demand for LCD panels
17 directly derives from the demand for such products in which it is used as a component. Id. The
18 court added that “there are factual questions about the relevant market,” such as whether the
19 indirect purchaser plaintiffs actually participated in the market for LCD panels through their
20 purchases of products containing such panels or whether that market was “analytically distinct”
21 from the market for LCD panels. Id. In either event, the court concluded that “plaintiffs’
22 allegations are sufficient at this stage to weigh in favor of standing under the first factor of AGC.”
23 Id.

24 As in GPU I and TFT-LCD, Plaintiffs have alleged sufficient facts that they, as Indirect
25 Purchasers of NAND flash memory-based products, are in the “same market” as Direct Purchasers,
26 at least as far as antitrust standing is concerned at this stage of the proceedings. The Complaint
27 alleges that NAND flash memory has a variety of applications. It can be purchased as a stand-
28 alone item or incorporated as a central component of finished products, such as digital music

1 players, USB drives, and so on. (IP Compl. ¶ 73.) Regardless of how it is sold, however, NAND
 2 flash memory provides essentially the same functionality; that is, versatile, digital storage that is
 3 *not* dependent on the presence of power to maintain its memory. (*Id.* ¶¶ 71-72.) Thus, while the
 4 markets for NAND flash memory and products that contain NAND flash memory technically may
 5 be different, in practice, both markets are inextricably intertwined and there is inherent cross-
 6 elasticity of demand between the two. (*Id.* ¶ 73.) For purposes of the instant motion to dismiss,
 7 Plaintiffs have alleged sufficient facts to show that they are market participants for purposes of
 8 AGC. However, it bears noting that the actual determination of whether indirect purchasers are
 9 “participants” in the same “relevant market” for purposes of antitrust standing is better suited to
 10 resolution upon a fuller record. See TFT-LCD, 586 F. Supp. 2d at 1123.

11 *b) The Directness of the Injury*

12 “The second [AGC] factor looks to whether [the] alleged injury was the direct result of
 13 [defendants’] allegedly anticompetitive conduct.... To assess the directness of this injury, we look
 14 to the chain of causation between [the] injury and the alleged restraint in the market[.]” Am. Ad
 15 Mgt., 190 F.3d at 1058. Defendants contend that there is no direct injury because NAND flash
 16 memory is merely a component of the finished product, and is but one of many variables affecting
 17 its price. (Mot. at 13.) They also claim that the distribution channels for finished products differ
 18 from those for NAND flash memory. (*Id.*)

19 In TFT-LCD and GPU I, the courts found that indirect purchasers of components had
 20 satisfied their burden of pleading directness of injury by alleging that the cost of the component
 21 was traceable through the product distribution chain. Compare TFT-LCD, 586 F. Supp. 2d at 1123
 22 (directness requirement met based on allegations that cost of component part comprised a
 23 substantial amount of the finished product cost and could be traced through the distribution chain);
 24 GPU I, 540 F. Supp. 2d at 1098 (same) with DRAM I, 516 F. Supp. 2d at 1092 (directness
 25 requirement not met where the “complaint sets forth no allegations that, within the final purchase
 26 price of a given product purchased by plaintiffs for ‘end use,’ the ultimate cost of DRAM is
 27 somehow directly traceable or distinguishable”).

28 In this case, the Complaint expressly alleges that “[w]hen NAND Flash Memory is

1 purchased by consumer as part of an electronic device, it is a distinct, physically-discrete hardware
 2 element of the end-use product and is identifiable by a specific, discrete part or model number that
 3 permits tracing. NAND Flash Memory is identifiable and traceable throughout the chain of the
 4 distribution to the end user. It does not undergo any alterations as it moves through the chain of
 5 distribution.” (IP Compl. ¶ 152.) The pleadings further allege that “[t]racing can help show that
 6 changes in the prices paid by direct purchasers of NAND Flash Memory affect prices paid indirect-
 7 purchasers of the Flash Memory itself or products containing Flash Memory.” (*Id.* ¶ 154.) In
 8 addition, NAND Flash Memory allegedly “makes up an overwhelming majority of the cost of
 9 NAND flash-based memory devices and a substantial portion of the consumer devices in which
 10 NAND Flash Memory is packaged to be sold as a component.” (*Id.* ¶ 157.) These allegations are
 11 adequate to show that there is a chain of causation between Defendants’ allegedly anticompetitive
 12 conduct and Plaintiffs’ injury, which is the overpayment for flash memory products and finished
 13 products containing NAND flash memory.

14 *c) Speculative Nature of Harm and Complexity in Apportioning*
 15 *Damages*

16 The final third and fifth AGC factors - the speculative nature of the harm and the
 17 complexity in apportioning damages - may be considered together. *See DRAM I*, 516 F. Supp. 2d
 18 at 1092 (citing *American Ad Mgmt.*, 190 F.3d at 1054-55). As to these factors, Defendants make
 19 essentially the same arguments that they raised regarding AGC’s second factor; namely, that
 20 NAND flash memory is just one of many components of a finished product, and as such, any
 21 attempt to distinguish the impact of its allegedly inflated price on the purchase price of a retail
 22 product would be speculative and excessively complex. (Mot. at 13-15.) As discussed above,
 23 Plaintiffs have alleged that the NAND flash memory, whether in the form of a product or as a
 24 component of a finished product, remains discrete and traceable to its manufacturer. This is
 25 sufficient for purposes of avoid dismissal. *See DRAM I*, 516 F. Supp. 2d at 1092-93.

26 *d) Duplicative Recovery*

27 “The risk to be avoided under [the duplicative recovery factor] is that potential plaintiffs
 28 may be in a ‘position to assert conflicting claims to a common fund . . . thereby creating the danger

of multiple liability for the fund.” American Ad Mgmt., 190 F.3d at 1059 (quoting Eagle v. Star-Kist Foods, Inc., 812 F.2d 538, 542 (9th Cir. 1987)). Defendants briefly assert that a duplicative recovery “is a near certainty” given that the Direct Purchasers’ claims also are before the Court. (Mot. at 16.) Such a concern, however, generally is inapposite in the context of indirect purchaser state law antitrust claims. “States ... which have repealed Illinois Brick and allowed indirect purchasers to sue for antitrust violations, have necessarily made the policy decision that duplicative recovery may permissibly occur. Duplicative recovery is, in many if not all cases alleging a nationwide conspiracy with both direct and indirect purchaser classes, a necessary consequence that flows from indirect purchaser recovery. Accordingly, it is no bar against standing, and this factor does not weigh against standing.” DRAM II, 516 F. Supp. 2d at 1094. In any event, the Court notes that Plaintiffs have alleged that the alleged overcharges by Defendants are distinct and traceable. (IP Compl. ¶¶ 152-57.) In such instances, courts have acknowledged that the risk of duplicative recovery is less of a concern. TFT-LCD, 586 F.Supp.2d at 1124; GPU II, 540 F. Supp. 2d at 1098.

At bottom, the Court concludes that Plaintiffs’ allegations are sufficient to establish standing at this stage of the pleadings for the California, Iowa and Nebraska Plaintiffs to pursue their antitrust claims.¹⁴

C. CONSUMER PROTECTION CLAIMS

The next issue for the Court’s consideration is Defendants’ contention that Plaintiffs have failed to a state claim based on the consumer protection statutes of Arkansas, the District of Columbia, Hawaii, Kansas, Maine, New Hampshire, New Mexico, New York, Rhode Island and West Virginia. (Mot. at 17.) As will be discussed below, the Court agrees with Defendants’ motion, in part, and dismisses with prejudice Plaintiffs’ claims under the laws of Kansas, Maine, Rhode Island and West Virginia. The Court also dismisses Plaintiffs’ claims under the laws of the District of Columbia, Hawaii, New Hampshire, New Mexico and New York, but grants leave to

¹⁴ As noted, Defendants have not demonstrated that AGC applies to Plaintiffs’ antitrust claims based on the laws of Arizona, Kansas, Maine, Michigan, North Carolina, South Dakota, Mississippi, Nevada, New Mexico, West Virginia and Wisconsin, and they have not advanced any other ground for dismissing these particular claims at this time.

1 amend to correct the deficiencies, as explained below. The motion to dismiss is denied as to
 2 Plaintiffs' consumer protection claims based on the law of Arkansas.

3 1. Arkansas¹⁵

4 The Arkansas Deceptive Trade Practices Act ("ADTPA"), Arkansas Code §§ 4-88-101, *et*
 5 *seq.*, prohibits "[d]eceptive and unconscionable trade practices," including "[e]ngaging in any other
 6 *unconscionable*, false, or deceptive act or practice in business, commerce, or trade...." *Id.* § 88-
 7 107(a)(10) (emphasis added); *see also id.*, § 4-88-108 (prohibiting deception, fraud and false
 8 pretense). While there appear to be no published state appellate rulings directly on point, Arkansas
 9 courts have construed the statute broadly. *E.g.*, *State ex rel Bryant v. R & A Inv. Co.*, 985 S.W.2d
 10 299, 302-303 (Ark. 1999) (usury scheme constituted "unconscionable" conduct). In addition,
 11 several district courts interpreting the ADTPA have found that the term "unconscionable trade
 12 practices" is sufficiently broad to encompass price fixing. *See In re Chocolate Confectionary*
 13 *Antitrust Litig.*, -- F.Supp.2d --, 2009 WL 560601 at *27 (M.D. Pa. March 4, 2009) ("Chocolate
 14 *Confectionary*") (conspiracy to fix and stabilize chocolate confectionary prices); *In re New Motor*
 15 *Vehicles Canadian Export Antitrust Litig.*, 350 F. Supp. 2d 160, 178 (D. Me. 2004) ("NMV")
 16 (conspiracy to keep Canadian-manufactured vehicles from entering the U.S. automobile market).

17 Relying on a footnote in *NMV*, 350 F. Supp. 2d at 178 n.22, Defendants contend that the
 18 district court rejected "the very same theory of deception – the failure to disclose an alleged
 19 conspiracy – that Plaintiffs espouse in this case." (Reply at 17.) That contention lacks merit.
 20 Though the Complaint alleges that Defendants acted in a "deceptive" manner "to cover up their
 21 illegal acts," the pleadings also allege that Defendants engaged in "unconscionable conduct" by
 22 misleading the public into believing that the prices they were paying for NAND flash memory
 23 were set by the free market when, in fact, they were not. (IP Compl. ¶ 208e.) Moreover, the
 24 footnote cited by Defendants does not pertain to the ADTPA, but rather, refers generally to state
 25 consumer protection statutes that prohibit only "fraudulent or deceptive conduct." *NMV*, 350 F.

26
 27 ¹⁵ Defendants do not specifically address the consumer protection laws of Arkansas, the
 28 District of Columbia or New Mexico, but present a single argument that each of these three
 jurisdictions requires a showing of unequal bargaining power. (Mot. at 17; Reply at 17.) Because
 the statutes of each of these jurisdictions differ, the Court addresses each separately.

1 Supp. 2d at 177 n. 22.

2 Defendants also urge the Court to follow Judge Alsup's ruling in GPU I where he found
3 that plaintiffs' failure to plead "grossly unequal bargaining power" was fatal to their claims based
4 on the consumer protection laws of Arkansas, among other states. 527 F. Supp. 2d at 1029-1030.
5 This Court does not find the analysis set forth in GPU I to be pertinent to the issue presented
6 herein, particularly in light of the Arkansas Supreme Court's view that an unconscionable act is
7 one that is "an act that 'affronts the sense of justice, decency, or reasonableness,'" including acts
8 "*violative of public policy or a statute.*" Baptist Health v. Murphy, 226 S.W.3d 800, 810-11 (Ark.
9 2006) (emphasis added). Here, Plaintiffs allege specifically that "Defendants' conduct with regard
10 to the sales of NAND Flash Memory, including their illegal conspiracy to secretly fix the price of
11 NAND Flash Memory at supracompetitive levels and overcharge customers, was substantively
12 unconscionable because it was one-sided and unfairly benefitted Defendants at the expense of
13 Plaintiffs and the public." (IP Compl. ¶ 208f.) Such allegations, construed in favor of Plaintiffs,
14 can be considered to constitute a violation of public policy. For these reasons, Defendants' motion
15 to dismiss Plaintiffs' ADTPA claim is DENIED.

16 **2. District of Columbia**

17 The District of Columbia's Consumer Protection Practices Act ("DCCPPA"), D.C. Code
18 § 28-3901, is intended to "assure that a just mechanism exists to remedy all improper trade
19 practices and deter the continuing use of such practices...." D.C. Code § 28-3901(b)(1). The Act
20 "defines its terms comprehensively so that it can provide a remedy for all improper trade
21 practices." Cooper v. First Government Mortg. & Investors Corp., 206 F. Supp. 2d 33, 35 (D. D.C.
22 2002); Dist. Cablevision Ltd. v. Bassin, 828 A.2d 714, 723 (D.C. 2003) (purpose of DCCPPA is
23 "to remedy all improper trade practices").

24 Without citing any case law specifically interpreting the DCCPPA, Defendants posit that
25 price-fixing is not the type of conduct within the reach of the statute. (Mot. at 18.) In fact, District
26 of Columbia courts have held that the DCCPPA proscribes the imposition of prices that are
27 "unconscionably high," i.e., prices that are "unreasonably favorable" to the seller, where "the buyer
28 did not have a meaningful choice of alternatives under the circumstances." Ford v. Chartone, Inc.,

1 908 A.2d 72, 90 (D.C. 2006); Chocolate Confectionary, 2009 WL 560601 at *28 (“the DCCPPA
2 subsumes a Sherman Act claim and creates an indirect purchaser cause of action for conspiratorial
3 price fixing regardless of whether defendants have engaged in deceptive conduct.”) (citing D.C.
4 state case law).

5 With respect to their claims under the DCCPPA, Plaintiffs alleges that they paid
6 “artificially inflated prices” for NAND flash memory as a result of Defendants’ alleged
7 suppression and elimination of price competition. (IP Compl. ¶ 210e.) Absent, however, are
8 allegations that Plaintiffs were charged “unconscionably high” prices that were unreasonably
9 favorable to the seller, resulting from a lack of meaningful choice of alternatives under the
10 circumstances. Ford, 908 A.2d at 90. As a result, the Court finds that Plaintiffs’ claims under the
11 DCCPPA are deficient and GRANTS Defendants’ motion to dismiss Plaintiffs’ claims under the
12 DCCPPA. Because this deficiency could be cured by amendment, Plaintiffs will be granted leave
13 to amend to include the requisite factual allegations as discussed above.

14 3. Hawaii

15 Plaintiffs bring a consumer protection claim under Hawaii’s Antitrust Act, Hawaii Rev.
16 Stat. §§ 480 *et seq.* (Compl. ¶ 212e). Citing Hawaii Rev. Stat. § 480.13-3, Defendants argue that
17 such a claim is not ripe given the requirement that Plaintiffs must first provide the state attorney
18 general the opportunity to prosecute the claim on their behalf. (Mot. at 19.)

19 Section 480-2 prohibits (1) “unfair methods of competition” and (2) “unfair or deceptive
20 acts or practices.” Hawaii Rev. Stat. § 480-2(a), (d) and (e). Under section 480.13-3(a)(1), “[a]
21 class action for claims for a violation of this chapter *other than* claims for *unfair or deceptive acts*
22 *or practices* may be filed, and may be prosecuted on behalf of indirect purchasers by a person other
23 than the attorney general,” provided that the class plaintiffs first serve a copy of the complaint on
24 the attorney general. The attorney general has sole discretion as to whether the state will proceed
25 with the action or file its own action. Id., § 480.13(a)(4). If the attorney general declines to so
26 proceed, the class plaintiff shall have the right to proceed with the action. Id., § 480.13(a)(5)(C).
27 Subdivision (b) states that “[t]his section shall not limit the rights of consumers to bring class
28 actions against any person based on unfair or deceptive acts or practices declared unlawful by

1 section 480-2.”

2 Plaintiffs acknowledge that *unfair competition* claims *are* subject to the attorney general
3 notification requirement, but contend that their claim for *unfair or deceptive acts* should be allowed
4 to proceed. (Opp. at 43.) As Defendants point out, the flaw in that argument is that the Complaint
5 alleges *both* grounds as a basis for recovery in a single claim. (IP Compl. ¶ 212(e).) To the extent
6 Indirect Plaintiffs desire to pursue a claim under Hawaii law, they will need to expressly limit their
7 claim to the unfair and deceptive acts aspect of the Hawaii Antitrust Act. Consequently,
8 Defendants’ motion to dismiss as to Plaintiffs’ claim based on section 480-2 is GRANTED.
9 Plaintiffs will be allowed leave to amend to allege a claim for unfair or deceptive acts or practices
10 only.

11 4. Kansas

12 Plaintiffs do not oppose dismissal of their claims under the Kansas Consumer Protection
13 Act, Kan. Stat. §§ 50-623, et seq. (Opp’n at 40 n.43.) Therefore, Defendants’ motion to dismiss
14 Plaintiffs’ claim under Kansas law is GRANTED, which is dismissed without leave to amend.

15 5. Maine

16 The Maine Unfair Trade Practices Act (“MUTPA”) prohibits “unfair methods of
17 competition” as well as “unfair or deceptive ... conduct of any trade.” Me. Rev. Stat. Ann. tit. 5
18 §207 (Me. 2008). The Maine Supreme Court has held that “[i]n pricing cases under the Act the
19 inquiry is whether the price has the effect of deceiving the consumer, or inducing her to purchase
20 something that she would not otherwise purchase.” Tungate v. MacLean-Stevens Studios, Inc.,
21 714 A.2d 792, 797 (Me. 1998). Applying this standard, the Court concurs with Defendants that the
22 MUTPA does not create a cognizable claim for collusive pricing. Logically, charging *higher*
23 prices would not deceive or induce a consumer to purchase an item he or she would not otherwise
24 purchase. See GPU I, 527 F. Supp. 2d at 1031 (“[a]rguing that higher prices induced consumers to
25 make purchases simply does not make sense.”); accord Chocolate Confectionary, 2009 WL 560601
26 at *29; TFT-LCD, 586 F. Supp. 2d at 1126.

27 In an attempt to distinguish Tungate, Plaintiffs argue that its holding applies *only* to the
28 portion of the MUTPA that pertains to claims based on “unfair and deceptive acts,” and does not

1 address the standard for claims based on “unfair methods of competition.” (Opp’n at 44.) In
2 support of their position, Plaintiffs cite NMV, where the court narrowly construed the Tungate
3 court’s holding as applying only to the MUTPA’s restriction on “unfair or deceptive acts.” NMV,
4 350 F. Supp. 2d at 187 n.40. The Court disagrees with the NMV court’s restrictive reading of
5 Tungate. By its own terms, the Tungate standard applies broadly to “pricing cases *under the Act*.”
6 714 A.2d at 797 (emphasis added). There is nothing in Tungate to support the purported
7 distinction advocated by Plaintiffs. As a decision of Maine’s highest court, the Court is bound to
8 follow the holding in Tungate. See Carpenter, 540 F.3d at 963. In accordance with Tungate, the
9 Court GRANTS Defendants’ motion to dismiss Plaintiff’s claim under the MUPTA. Because any
10 amendment would be futile, said dismissal is without leave to amend.

11 **6. New Hampshire**

12 Defendants move to dismiss Plaintiffs’ claim under New Hampshire Consumer Protection
13 Act (“CPA”), N.H. Rev. Stat. § 358-A:2, on the ground that Plaintiffs have not alleged that any
14 unfair or deceptive acts took place *within* New Hampshire. See Pacamor Bearings, Inc. v. Minebea
15 Co., Ltd., 918 F. Supp. 491, 504 (D.N.H. 1996) (CPA requires that “offending conduct” occur
16 within the state’s borders). Though Plaintiffs acknowledge that their Complaint lacks such
17 allegations, they briefly contend that the CPA should be read broadly in light of LaChance v. U.S.
18 Smokeless Tobacco Co., 931 A.2d 571, 580 (N.H. 2007). (Opp’n at 44.) LaChance merely states
19 that “indirect purchasers may bring claims under the CPA.” Id. at 575. It does not, as Plaintiffs
20 suggest, address the requirement that the offending conduct occur within the state. Given
21 Plaintiffs’ failure to state a cognizable claim under the CPA, the Court GRANTS Defendants’
22 motion to dismiss this claim, with leave to amend to cure the deficiency if Plaintiffs are able to do
23 so in good faith.

24 **7. New Mexico**

25 The New Mexico Unfair Practices Act (“NMUPA”), New Mexico Stat. §§ 57-12-1, *et seq.*,
26 prohibits both “unfair deceptive trade practices” and “unconscionable trade practices in the conduct
27 of any trade or commerce.” N.M. Stat. Ann. § 57-12-3. Under New Mexico law, an
28 unconscionable trade practice is “an act or practice . . . which to a person’s detriment: (1) takes

1 advantage of the lack of knowledge, ability, experience or capacity of a person to a grossly unfair
2 degree; or (2) results in a gross disparity between the value received by a person and the price
3 paid.” N.M.Rev.Stat. § 57-12-2(E); NMV, 350 F. Supp. 2d at 195-96.

4 Defendants contend, without citation to relevant authority, that “unconscionable trade
5 practices” is limited to cases where “grossly unequal bargaining power” is alleged. (Mot. at 17.)
6 Courts have taken a broader view of the NMUPA, however. “Federal courts generally permit
7 NMUPA actions in price-fixing cases provided that the plaintiff alleges a ‘gross disparity’ between
8 the price paid for a product and the value received.” Chocolate Confectionary -- F. Supp. 2d at --,
9 2009 WL 560601 at *29 (citing cases); TFT-LCD, 586 F. Supp. 2d at 1127. Nevertheless,
10 Plaintiffs’ Complaint does not contain the requisite allegations, even under a more expansive
11 reading of the statute. The Complaint simply alleges that “[t]here was a gross disparity of
12 *bargaining power* between the parties with respect to the price charged by Defendants and NAND
13 flash memory,” (IP Compl. ¶ 218(c) (emphasis added).) “Gross disparity” between the *price paid*
14 *for a product and the value received* is *not* alleged. Given the absence of the requisite allegations,
15 the Court GRANTS Defendants’ motion to dismiss Plaintiffs’ NMUPA claim. Plaintiffs will be
16 allowed leave to amend to cure this deficiency.

17 8. New York

18 Section 349 of New York’s General Business Law provides, in relevant part, that:
19 “Deceptive acts or practices in the conduct of any business, trade or commerce or in the furnishing
20 of any service in this state are hereby declared unlawful.” “[S]ection 349 is directed at wrongs
21 against the consuming public.” See In re Rezulin Prods. Liab. Litig., 392 F. Supp. 2d 597, 614
22 (S.D.N.Y. 2005) (“Rezulin”); e.g., New York v. Feldman, 210 F. Supp. 2d 294, 302 (S.D.N.Y.
23 2002) (“The antitrust violations alleged in the Complaint constitute the kind of deceptive acts and
24 practices contemplated by section 349.”). A plaintiff asserting a section 349 claim “must prove
25 three elements: first, that the challenged act or practice was consumer-oriented; second, that it was
26 misleading in a material way; and third, that the plaintiff suffered injury as a result of the deceptive
27 act.” See Stutman v. Chem. Bank, 95 N.Y.2d 24, 29 (2000).

28 Defendants contend that Plaintiffs’ cause of action under section 349 fails on the ground

1 that there is no particular conduct directed specifically *at the Indirect Purchasers*. (Mot. at 20.) In
 2 Paltre v. General Motors Corp., the court held that consumers who purchased or leased vehicles
 3 “failed to set forth a viable cause of action to recover damages for deceptive business practices”
 4 based on allegations of price-fixing among automobile manufacturers “because the alleged
 5 misrepresentations were either not *directed at consumers* or were not materially deceptive.” See
 6 Paltre v. General Motors Corp., 810 N.Y.S. 496, 498 (N.Y. App. Div. 2006) (emphasis added);
 7 accord Rezulin, 392 F. Supp. 2d at 614. Here, the Complaint only avers that Defendants “publicly
 8 provided pretextual and false justifications” for their price increases and made “public
 9 announcements concerning the changes in the prices of NAND Flash Memory.” (IP Compl.
 10 ¶ 219c.) Other than the supposed statements made to the “public,” there are no specific allegations
 11 that the misconduct was directed *at* any particular group, let alone Indirect Purchasers in New
 12 York.

13 Plaintiffs fail to address Paltre. Instead, they simply assert that a section 349 claim is
 14 sustainable where the deceptive conduct is directed at a “broad group of individuals.” (Opp’n at
 15 45.) That argument misses the mark. The question presented is not whether anticompetitive
 16 conduct falls within the purview of section 349. Rather, the issue framed by Defendants’ motion is
 17 whether the misrepresentations were directed *at* Indirect Purchasers of NAND flash memory. Such
 18 allegations are absent from the pleadings, which aver only that Defendants made “public
 19 announcements” intended to create the illusion of free market pricing. (IP Compl. ¶ 219c.)¹⁶ As
 20 such, the Court GRANTS Defendants’ motion to dismiss. Plaintiffs are granted leave to amend to
 21 cure this deficiency.

22 9. Rhode Island

23 Defendants move to dismiss Plaintiffs’ claim under Rhode Island’s Unfair Trade Practices
 24 and Consumer Protection Act (“UTPCPA”), R.I. Gen. Laws § 6-13.1-1, *et seq.*, on the ground that
 25 price fixing does not constitute “[u]nfair methods of competition and unfair or deceptive acts or
 26

27 ¹⁶ Although Plaintiffs contend that they, in fact, have made the requisite allegations, the
 28 cited paragraphs of the Complaint do not support their assertion. (Opp’n at 46 (citing Compl.
 ¶¶ 174, 219.)

1 practices” as defined by the UTPCPA. (Mot. at 22.) Section 6-13.1-2 provides that “[u]nfair
2 methods of competition and unfair or deceptive acts or practices in the conduct of any trade or
3 commerce are hereby declared unlawful.” To determine whether a practice is “unfair” under the
4 statute, the court is to consider: “(1) Whether the practice, without necessarily having been
5 previously considered unlawful, offends public policy as it has been established by statutes, the
6 common law, or otherwise-whether, in other words, it is within at least the penumbra of some
7 common-law, statutory, or other established concept of unfairness; (2) whether it is immoral,
8 unethical, oppressive, or unscrupulous; (3) whether it causes substantial injury to consumers (or
9 competitors or other businessmen).” See Ames v. Oceanside Welding and Towing Co., Inc., 767
10 A.2d 677, 681 (R.I. 2001) (internal quotation and citations omitted).

11 The Court concurs with Defendants that price fixing is not within the ambit of the
12 UTPCPA. The statute defines “unfair methods of competition and unfair or deceptive acts or
13 practices” to consist of 19 separately enumerated practices, *none of which includes price fixing*.
14 R.I. Gen. Laws §§ 6-13.1-1(6)(i)-(xix). In ERI Max Entertainment, Inc. v. Streisand, 690 A.2d
15 1351, 1354 (R.I. 1997), a video store owner sued Blockbuster Video (“Blockbuster”) and Barbra
16 Streisand (among others) for violating the state’s antitrust and unfair practices statutes. The store’s
17 claim was based on an agreement in which Blockbuster was granted exclusive access to a Streisand
18 concert video containing an extra song not found on versions of the videotape distributed
19 elsewhere. In rejecting plaintiff’s unfair competition claims, the Rhode Island Supreme Court
20 explained that “a finding of unfair competition must be predicated upon conduct on the part of the
21 respondent that reasonably tended to confuse and mislead the general public into purchasing his
22 product when the actual intent of the purchaser was to buy the product of the complainant.” Id. at
23 1353-54. The court then concluded that the defendants’ exclusive distribution agreement was not
24 the type of “unfair conduct” that the Act was intended to encompass. Id. It is clear under the
25 foregoing authority, which is binding on this court, the “price fixing conspiracy” alleged in this
26
27
28

case (IP Compl. ¶ 221c) is not governed by the UTPCPA.¹⁷ For these reasons, the Court GRANTS Defendants' motion to dismiss. Because any amendment to this claim would be futile, such dismissal is without leave to amend.

10. West Virginia

Defendants argue that Plaintiffs' claim under the West Virginia Consumer Credit and Protection Act (the "WVCCPA"), W.V. Code § 46A-6-101, *et seq.*, should be dismissed because the statute does not encompass price fixing. (Mot. at 23.) The WVCCPA states, in part, that: "The legislature hereby declares that the purpose of this article is to complement the body of federal law governing unfair competition and unfair, deceptive and fraudulent acts or practices in order to protect the public and foster fair and honest competition. It is the intent of the legislature that, in construing this article, the courts be guided by the interpretation given by the federal courts to the various federal statutes dealing with the same or similar matters. To this end, this article shall be liberally construed so that its beneficial purposes may be served." W. Va. Code § 46A-6-101(1).

Seizing upon the state legislature's directive that the WVCCPA be "liberally construed," Plaintiffs contend that the statute should be read to encompass price fixing. (Opp. at 47.) The Court disagrees. Price fixing is not among the 16 enumerated definitions of "[u]nfair methods of competition and unfair or deceptive acts or practices[.]" W. Va. Code, § 46A-6-102. Rather, on their face, each of these definitions pertains to misrepresentations or deceptive practices relating to goods and services. For example, the statute prohibits acts such as "[p]assing off goods or services as those of another"; "[u]sing deceptive representations or designations of geographic origin in connection with goods or services"; "[m]aking false or misleading statements of fact concerning the reasons for, existence of or amounts of price reductions"; and "[e]ngaging in any other conduct which similarly creates a likelihood of confusion or of misunderstanding." *Id.* In short, price

¹⁷ Aggrieved purchasers are not without a remedy, as the Defendants' actions may be subject to the state's antitrust provisions. R.I. Gen. Laws § 6-36.2(b). However, indirect purchasers lack standing to bring a private claim under that statute. *See Siena v. Microsoft Corp.*, 796 A.2d 461, 464-65 (2002) (holding that the state attorney general has standing as *parens patriae* to protect the rights of indirect purchasers in antitrust matters since they cannot bring such actions themselves directly).

fixing or similar anticompetitive conduct cannot be reasonably construed to fall within the scope of the WVCCPA. See TFT-LCD, 586 F. Supp. 2d at 1130 (WVCCPA does not include price fixing schemes); GPU, 527 F. Supp. 2d at 1030 (same); DRAM I, 516 F. Supp. 2d at 1119 (same).

Plaintiffs' reliance on Federal Trade Comm'n v. Mylan Labs, Inc., 62 F. Supp. 2d 25 (D.D.C.), *on recons.*, 99 F. Supp. 2d a, 10 (D.D.C. 1999) and In re Pharmaceutical Industry Average Wholesale Price Litig., 223 F.R.D. 229, 231 (D. Mass. 2006) is misplaced. (Opp'n at 47.) While both cases support the general notion that indirect purchaser cases may be brought under the WVCCPA, neither stands for the proposition that the provision of the WVCCP at issue "justifies allowing allegations of antitrust price-fixing brought by indirect purchasers to go forward." *Id.* Accordingly, the Court GRANTS Defendants' motion to dismiss Plaintiffs' WVCCPA claim. Since amendment to this claim would be futile, said dismissal is without leave to amend.

D. UNJUST ENRICHMENT CLAIMS

Finally, Defendants move to dismiss Plaintiffs' unjust enrichment claims under the laws of Arizona, Florida, Massachusetts, Minnesota, New Hampshire, North Carolina and Tennessee. They argue that the laws of each of these states "bar an action for unjust enrichment where the plaintiff has an adequate remedy at law." (Mot. at 24.) As a general principle, Defendants are correct that "[i]t is a basic doctrine of equity jurisprudence that courts of equity should not act ... when the moving party has an adequate remedy at law" Mort v. United States, 86 F.3d 890, 892 (9th Cir. 1996); *see also Franklin v. Gwinnett County Public Schools*, 503 U.S. 60, 75-76 (1992) ("it is axiomatic that a court should determine the adequacy of a remedy in law before resorting to equitable relief"). In response, Plaintiffs contend that they are allowed under the Federal Rules to allege claims in the alternative, even if they are inconsistent with one another. See Fed. R. Civ. Pro. 8(d)(3) ("A party may state as many separate claims or defenses as it has, regardless of consistency.").

The difficulty for the Court is that neither party focuses on the appropriate issue. The laws governing claims for unjust enrichment vary from state to state. "[S]ome states recognize unjust enrichment as a separate free-standing claim, while others do not." GPU II, 540 F. Supp. 2d at 1100. Instead of analyzing the laws of each state separately, Defendants relegate their discussion

1 to a string cite contained in a footnote in their moving papers. (Mot. at 24 n.9.)¹⁸ The lack of
 2 individualized analysis by the parties is unhelpful. For example, Defendants cite Community
 3 Guardian Bank v. Hamlin, 182 Ariz. 627, 630 (Ariz. Ct. App. 1995) for the proposition that an
 4 unjust enrichment claim “requires that there be no remedy provided at law.” (Mot. at 24 n.9.)
 5 More recent Arizona authority, on the other hand, suggests that the “adequate remedy at law”
 6 requirement turns not on whether the plaintiff has a remedy “providing all the relief the party
 7 desires,” but rather, on “whether there is a contract which governs the relationship between the
 8 parties.” Trustmark Ins. Co. v. Bank One, Arizona, NA, 202 Ariz. 535, 541 n.5 (2002).

9 The Court declines to independently address the viability of Plaintiffs’ unjust enrichment
 10 claims with respect to the aforementioned states. In the event Defendants desire to seek a judicial
 11 resolution of this issue, they should discuss the laws of each state separately. Such analysis should
 12 be supported with citations to relevant authorities demonstrating that Plaintiffs cannot, as a matter
 13 of law, maintain a separate claim for unjust enrichment where they, at the same time, are pursuing
 14 claims based on state antitrust and consumer protection statutes. For these reasons, Defendants’
 15 motion to dismiss Plaintiffs’ unjust enrichment claims under the laws of Arizona, Florida,
 16 Massachusetts, Minnesota, New Hampshire, North Carolina and Tennessee is DENIED without
 17 prejudice.

18 **E. LACK OF A REPRESENTATIVE PLAINTIFF**

19 Defendants move to dismiss Plaintiffs’ second, third and fourth claims for relief to the
 20 extent that such claims are based on the laws of a state where no representative has been named; to
 21 wit, Alabama, Arizona, Mississippi, Nebraska, Nevada, Hawaii and New Hampshire. (Mot. at 16.)
 22 “A class cannot assert a claim on behalf of an individual that they do not represent.” GPU I, 527 F.
 23 Supp. 2d at 1026; accord In re Ditropan XL Antitrust Litig., 529 F. Supp. 2d 1098, 1106-107 (N.D.
 24 Cal. 2007). Where, as here, a representative plaintiff is lacking for a particular state, all claims
 25 based on *that* state’s laws are subject to dismissal. Id.

26 Plaintiffs concede that they lack representatives for claims predicated on the laws of each of

27 _____
 28 ¹⁸ The bulk of Plaintiffs’ argument also is set forth in a lengthy string cite in a footnote.
 (Opp’n at 48 n.47.)

1 the aforementioned states. However, they request leave to amend to join a class representative for
2 each of those states, except as to Alabama. Defendants argue that allowing the joinder of
3 additional plaintiffs should be disallowed as futile on the ground that Plaintiffs lack standing. As
4 discussed, the Court has concluded that Plaintiffs have alleged sufficient facts to establish standing
5 with respect to their state law antitrust claims, and certain of their consumer protection claims may
6 be viable upon proper amendment. The proposed amendment to join the missing representatives,
7 therefore, would not be entirely futile. The Court thus GRANTS Defendants' motion to dismiss as
8 to Plaintiffs' second, third and fourth claims under the laws of Alabama, Arizona, Mississippi,
9 Nebraska, Nevada, Hawaii and New Hampshire. Plaintiffs are granted leave to amend to join
10 representative class members to the extent their joinder is consistent with this Order.

11 **F. MISCELLANEOUS REQUESTS**

12 Several of the parties have filed requests for judicial notice ("RJN"). (Docket 399, 448,
13 419, 377.) All requests are unopposed, except for the RJN filed by Hynix Semiconductor America,
14 Inc. ("Hynix") (Docket 377), to which the Indirect Purchaser Plaintiffs have filed an objection
15 (Docket 400). The unopposed RJNs are GRANTED. As to Hynix's RJN, the Court's ruling does
16 not rely on any of the materials submitted therein. Therefore, Hynix's RJN is DENIED AS MOOT
17 and Indirect Purchaser Plaintiffs' objections are OVERRULED AS MOOT.

18 Direct and Indirect Purchaser Plaintiffs also filed a motion for administrative relief in which
19 they submit copies of three district court decisions that were rendered following the scheduled
20 hearing date on the motions to dismiss. (Docket 454). The Court finds that under the
21 circumstances, the submission of these authorities is authorized and appropriate under Local Rules
22 7-3(d) and 7-11, and as such, the motion is GRANTED.

23 Finally, Defendants filed a motion for a protective order to stay discovery during the
24 pendency of the above-discussed motions to dismiss. (Docket 379). As the Court has now
25 resolved the motions, this motion is DENIED AS MOOT.

26 **V. CONCLUSION**

27 For the reasons stated above,

28 IT IS HEREBY ORDERED THAT:

1 1. Defendants' motion to dismiss (Docket 370, 371, 372, 373, 376, 382) the Direct
2 Purchasers' Complaint is DENIED.

3 2. Defendants' motion to dismiss the Indirect Purchasers' Complaint (Docket 374) is
4 GRANTED IN PART and DENIED IN PART, as follows:

5 a. The motion to dismiss is DENIED as to Plaintiffs' state antitrust claims.

6 b. The motion to dismiss is DENIED as to Plaintiffs' claims under the
7 consumer protection laws of Arkansas, and GRANTED as to Plaintiffs' claims under the consumer
8 protection laws of the District of Columbia, Hawaii, Kansas, Maine, New Hampshire, New
9 Mexico, New York, Rhode Island and West Virginia. Plaintiffs are GRANTED LEAVE TO
10 AMEND as to their claims under the laws of the District of Columbia, Hawaii, New Hampshire,
11 New Mexico and New York. Plaintiffs' consumer protection claims under the laws of Kansas,
12 Maine, Rhode Island and West Virginia are DISMISSED WITH PREJUDICE.

13 d. The motion to dismiss is DENIED as to Plaintiffs' claim for unjust
14 enrichment.

15 e. The motion to dismiss is GRANTED as to the Second, Third and Fourth
16 Claims for Relief to the extent that Plaintiffs' claims are based on the laws of Alabama, Arizona,
17 Mississippi, Nebraska, Nevada, Hawaii and New Hampshire, on the ground that Plaintiffs have
18 failed to name a representative plaintiff. Such claims are DISMISSED WITH LEAVE TO
19 AMEND to join a proper representative plaintiff for each of those states (except Alabama), but
20 only to the extent their joinder is consistent with this Order.

21 f. Plaintiffs shall have up to and including May 1, 2009 to file an amended
22 complaint that corrects the deficiencies described in this Order. Plaintiffs may not amend their
23 Indirect Purchaser Complaint in any manner than specified herein.

24 3. All unopposed requests for judicial notice (Docket 399, 448, 419) are GRANTED.
25 Hynix's request for judicial notice (Docket 377) is DENIED AS MOOT and Indirect Purchaser
26 Plaintiffs' objections thereto (Docket 400) are OVERRULED AS MOOT.


27 4. Plaintiffs' motion for administrative relief to consider additional district court
28 authorities (Docket 454) is GRANTED.

1 5. Defendants' motion for a protective order staying discovery (Docket 379) pending
2 the disposition of their motions to dismiss is DENIED AS MOOT.

3 6. A Case Management Conference is scheduled for **May 20, 2009 at 3:00 p.m.**
4 The parties shall meet and confer prior to the conference and shall prepare a joint Case
5 Management Conference Statement which shall be filed no later than ten (10) days prior to the
6 Case Management Conference that complies with the Standing Order for All Judges of the
7 Northern District of California and the Standing Order of this Court. Plaintiffs shall be responsible
8 for filing the statement as well as for arranging the conference call. All parties shall be on the line
9 and shall call (510) 637-3559 at the above indicated date and time.

10 IT IS SO ORDERED.

11
12 Dated: March 31, 2009



Honorable Saundra Brown Armstrong
United States District Court